

ABSTRACT OF THE DISCLOSURE

5 A continuous nickel plating process for at least one
aluminum conductor includes a pre-treatment step P that improves
the adherence of a nickel coat, and an electrolytic nickel
plating step N, and is characterized in that the contact
properties of the conductor after the pre-treatment step P are
sufficient to enable a mechanical electrical contact, and in
that the nickel plating current ($I_n = I_1$) is transmitted to the
10 conductor through a mechanical electrical contact on the part of
the conductor output from the pre-treatment step (P). The
invention is also directed to a device including a nickel
plating tank with a receptacle that can contain a nickel plating
bath and at least one electrode called the anode, containing
nickel, at least one electrical power supply to apply a voltage
15 (V_1) between the electrode, or each electrode, and the conductor
or each conductor, and means for moving the conductor in the
nickel plating bath. The device also includes at least one pre-
treatment tank with a receptacle that may contain a pre-
treatment bath and means for moving the conductor, or each
20 conductor, in the pre-treatment bath, and mechanical contact
means for applying the voltage on the part of the conductor or
each conductor, output from the pre-treatment step (P).